



## SEQUENCE LISTING

<110> Xie, Dong  
Jiang, He

<120> Peptide Derivative Fusion Inhibitors of HIV Infection

<130> 63024.000002

<140> 10/667,966  
<141> 2003-09-23

<150> 60/412,797  
<151> 2002-09-24

<160> 15

<170> PatentIn version 3.3

<210> 1  
<211> 44  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic Construct

<400> 1

Ser Leu Glu Gln Ile Trp Asn Asn Met Thr Trp Glu Glu Trp Asp Arg  
1 5 10 15

Glu Ile Asn Asn Tyr Thr Glu Leu Ile His Glu Leu Ile Glu Glu Ser  
20 25 30

Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu  
35 40

<210> 2  
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<400> 2

Trp Glu Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Lys Leu Ile His  
1 5 10 15

Glu Leu Ile Glu Glu Ser Gln Asn Gln Glu Lys Asn Glu Gln Glu  
20 25 30

Leu Leu

<210> 3  
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<400> 3

Trp Gln Glu Trp Glu Gln Lys Ile Thr Ala Leu Leu Glu Gln Ala Gln  
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Ile Gln Gln Glu Lys Asn Glu Tyr Glu Leu Gln Lys Leu Asp Lys Trp  
20 25 30

Ala Ser Leu Trp Glu Trp Phe  
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<210> 4  
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<400> 4

Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln  
1 5 10 15

Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu  
20 25 30

Trp Asn Trp Phe  
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<210> 5  
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<220>  
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Trp Met Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Ser Leu Ile His  
1 5 10 15

Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu  
20 25 30

Leu Leu

<210> 6  
<211> 34  
<212> PRT  
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<400> 6

Trp Gln Glu Trp Glu Arg Lys Val Asp Phe Leu Glu Glu Asn Ile Thr  
1 5 10 15

Ala Leu Leu Glu Glu Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu  
20 25 30

Leu Gln

<210> 7  
<211> 34  
<212> PRT  
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<220>  
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<400> 7

Trp Glu Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Lys Leu Ile His  
1 5 10 15

Glu Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Glu Asn Glu Gln Glu  
20 25 30

Leu Leu

<210> 8  
<211> 44  
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<223> Xaa represents a Lysine residue derivatized with a maleimide moiety.  
  
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Ser Leu Glu Gln Ile Trp Asn Asn Met Thr Trp Glu Glu Trp Asp Arg  
1 5 10 15

Glu Ile Asn Asn Tyr Thr Xaa Leu Ile His Glu Leu Ile Glu Glu Ser  
20 25 30

Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu  
35 40

<210> 9  
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<223> Xaa represents a Lysine residue derivatized with a maleimide moiety.

<400> 9

Ser Leu Glu Gln Ile Trp Asn Asn Met Thr Trp Glu Glu Trp Asp Arg  
1 5 10 15

Glu Ile Asn Asn Tyr Thr Glu Leu Ile His Glu Leu Ile Glu Glu Ser  
20 25 30

Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu Xaa

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<400> 10

Trp Glu Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Xaa Leu Ile His  
1 5 10 15

Glu Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Trp Glu  
20 25 30

Leu Leu

<210> 11  
<211> 35  
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<220>  
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<223> Xaa represents a Lysine residue derivatized with a maleimide moiety.

<400> 11

Trp Glu Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Glu Leu Ile His  
1 5 10 15

Glu Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu  
20 25 30

Leu Leu Xaa  
35

<210> 12  
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<223> Xaa represents a Lysine residue derivatized with a maleimide moiety.

<400> 12

Trp Gln Glu Trp Glu Gln Lys Ile Thr Ala Leu Leu Xaa Gln Ala Gln  
1 5 10 15

Ile Gln Gln Glu Lys Asn Glu Tyr Glu Leu Gln Lys Leu Asp Lys Trp  
20 25 30

Ala Ser Leu Trp Glu Trp Phe  
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<210> 13  
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<400> 13

Trp Gln Glu Trp Glu Gln Lys Ile Thr Ala Leu Ile Glu Gln Ala Gln  
1 5 10 15

Ile Gln Gln Glu Lys Asn Glu Tyr Glu Leu Gln Lys Leu Asp Lys Trp  
20 25 30

Ala Ser Leu Trp Glu Trp Phe Xaa  
35 40

<210> 14  
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<400> 14

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1 5 10 15

Glu Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Glu Asn Glu Gln Glu  
20 25 30

Leu Leu

<210> 15  
<211> 35  
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Trp Glu Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Lys Leu Ile His  
1 5 10 15

Glu Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Glu Asn Glu Gln Glu  
20 25 30

Leu Leu Xaa  
35